

**LUD 5664 (10017134)**

- 1-3  
Claim 22: A method for stimulating expression of STAT 3 transcription factor, comprising contacting a cell capable of said expression with an amount of an IL-TIF/IL-21 sufficient to stimulate said expression.
- a  
Claim 23: The method of claim 22, wherein said IL-TIF/IL-21 is mammalian IL-TIF/IL-21.
- 2  
Claim 24: The method of claim 23, wherein said mammalian IL-TIF/IL-21 is human IL-TIF/IL-21.
- b  
Claim 25: The method of claim 24, wherein said human IL-TIF/IL-21 is encoded by SEQ ID NO: 25 or 26.
- K  
Claim 26: The method of claim 22, wherein said cell is a human cell.
- 1 + end  
Claim 27: The method of claim 22, further comprising inducing production of an acute phase protein, production of which is regulated by STAT-3 transcription factor.
- 3  
Claim 28: The method of claim 26, wherein said cell is a liver cell.
- o  
Claim 29: The method of claim 27, wherein said acute phase protein is human serum amyloid A,  $\alpha$ 1 chymotrypsin, or haptoglobin.
- X  
end  
Claim 30: The method of claim 24, wherein said human IL-TIF/IL-21 also stimulates expression of STAT 1 transcription factor.
- X  
Claim 31: The method of claim 24, wherein said mammalian IL-TIF/IL-21 is murine IL-TIF/IL-21.
- x  
Claim 32: The method of claim 31, wherein said murine IL-TIF/IL-21 also stimulates expression of STAT 5 transcription factor.

human 3+1

murine = STAT3  
STAT5

#25158026v1<

2

2070 STAT3 (active) acetylated  
begin